



Paragon Analytics

TOTAL METALS CASE NARRATIVE

Kent & Sullivan Inc.

Ross Adams

Order Number - 0405096

1. This report consists of 29 soil samples.
2. The samples were received intact on 05/11/04. The temperature of the samples upon receipt ranged from 9 to 15° Celsius.
3. The samples were prepared for analysis based on SW-846, 3rd Edition procedures.
For analysis by Trace ICP and ICP-MS, the samples were digested following method 3050B and PA SOP 806 Rev. 10.
4. The samples were analyzed following SW-846, 3rd Edition procedures.
Analysis by Trace ICP followed method 6010B and PA SOP 834 Rev. 3.

The relationship between intensity and concentration for each element is established using at least four standards, one of which is a blank solution. The equation which relates intensity to concentration is:

$$I = A_0 + (A_1 * c^n) + (A_2 * c^{2n})$$

where: I = intensity

c = concentration

A₀ = offset coefficient

A₁ = gain coefficient

A₂ = curvature coefficient

n = exponent coefficient

During sample analysis concentrations are computed by the software and the results are printed in mg/L. The instrument software does not provide a printout which gives both intensity and concentration. The validity of the calibration equation is tested by analyzing the following solutions: a blank, a low level check solution with concentrations near the reporting limit, an Initial Calibration Verification (ICV) standard from a 2nd source standard solution with concentrations near the middle of the analytical range, a Continuing

Calibration Verification (CCV) standard with concentrations at two times those in the ICV, and a readback of the highest calibration standard.

These solutions provide verification that the calibration equations are functioning properly throughout the analytical range of the instrument. During sample analysis dilutions are made for analytes found at concentrations above the highest calibration standard. No results are taken from extrapolations beyond the highest standard.

Analysis by ICP-MS followed method 6020A and PA SOP 827 Rev. 2.

The relationship between intensity and concentration for each element is established using at least four standards, one of which is a blank solution. A linear regression is performed by the instrument software to develop the calibration equation.

During sample analysis concentrations are computed by the software and the results are printed in ug/L. The validity of the calibration equation is tested by analyzing the following solutions: a blank, a low level check solution with concentrations near the reporting limit, an Initial Calibration Verification (ICV) standard from a 2nd source standard solution with concentrations near the middle of the analytical range, a Continuing Calibration Verification (CCV) standard with concentrations near the middle of the analytical range but different than those in the ICV, and a readback of the highest calibration standard.

These solutions provide verification that the calibration equations are functioning properly throughout the analytical range of the instrument. During sample analysis dilutions are made for analytes found at concentrations above the highest calibration standard. No results are taken from extrapolations beyond the highest standard.

5. All standards and solutions are NIST traceable and were used within their recommended shelf life.
6. The samples were prepared and analyzed within the established hold times.

All in house quality control procedures were followed, as described below.

7. General quality control procedures.

- A preparation (method) blank and laboratory control sample were digested and analyzed with the samples in each digestion batch. There were not more than 20 samples in each digestion batch.
- The preparation (method) blank associated with each digestion batch was below the practical quantitation limit for each requested analyte.
- The laboratory control sample associated with each digestion batch was within the acceptance limits. This indicates complete digestion according to the method.

- All initial and continuing calibration blanks associated with each analytical batch were below the practical quantitation limits for the requested analytes.
 - All initial and continuing calibration verifications associated with each analytical batch were within the acceptance criteria for the requested analytes. This indicates a valid calibration and stable instrument conditions.
 - The high standard readbacks associated with Method 6010B and 6020A analyses were within acceptance criteria.
 - The interference check samples associated with Method 6010B analyses were within acceptance criteria.
 - The interference check samples associated with Method 6020A were analyzed.
8. Matrix specific quality control procedures.

PA sample IDs 0405096-1 and -21 were designated as the quality control samples for these analyses.

- A matrix spike and matrix spike duplicate were digested and analyzed with each batch. All acceptance criteria for accuracy were met.
- Matrix spike recoveries could not be evaluated for the following analytes:

<u>Analyte</u>	<u>Sample ID</u>
Aluminum	0405096-1 & -21
Iron	0405096-1 & -21
Manganese	0405096-1 & -21
Uranium	0405096-21

The concentrations of these analytes in the native sample were greater than four times the concentration of matrix spike added during the digestion. When sample concentration is that much greater than the spike added, spike recoveries may not be accurate. The laboratory control samples indicate that the digestion and analysis were in control.

- A sample duplicate and matrix spike duplicate were digested and analyzed with each batch. All acceptance criteria for precision were met with the following exception:

<u>Analyte</u>	<u>Sample ID</u>
Lead	0405096-21D

The native sample result is flagged for duplicate failure.

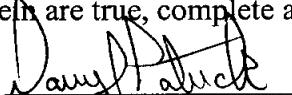
- A serial dilution was analyzed with each batch. All acceptance criteria were met with the following exceptions:

<u>Analyte</u>	<u>Sample ID</u>
Uranium	0405096-1L & -21L

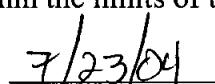
The native sample results are flagged for serial dilution failure.

9. PA sample IDs 0405096-1, -5 to -8, -10, -13, -17, -18, -27, -28 and -32 required dilutions to bring calcium, iron and/or manganese into the analytical range of the Trace ICP. Accurate quantitation of calcium, iron and manganese is necessary to correct for spectral interferences on lead. The lead results were determined from the diluted samples. It is a standard PA practice that samples for ICP-MS are analyzed at a dilution. All samples except 0405096-1, -3 and -6 required additional dilutions to bring uranium into the analytical range of the ICP-MS.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, Paragon Analytics certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

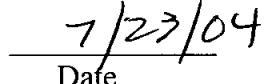


Darryl Patrick
Data Reporting Specialist



Date

SW
Reviewer's Initials



Date

077704

Paragon Analytics

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0405096

Client Name: Kent & Sullivan Inc.

Client Project Name: Ross Adams

Client Project Number:

Client PO Number:

Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
MSED-01	0405096-1		SOIL	06-May-04	13:00
MSED-02	0405096-2		SOIL	06-May-04	13:40
MSED-03	0405096-3		SOIL	06-May-04	14:00
MSED-04	0405096-4		SOIL	06-May-04	9:10
MSED-05	0405096-5		SOIL	06-May-04	9:20
MSED-06	0405096-6		SOIL	07-May-04	8:30
MSED-07	0405096-7		SOIL	07-May-04	9:00
MSED-08	0405096-8		SOIL	07-May-04	9:15
MSED-09	0405096-9		SOIL	07-May-04	9:20
MSED-10	0405096-10		SOIL	07-May-04	10:10
SSED-01	0405096-11		SOIL	05-May-04	16:15
SSED-02	0405096-12		SOIL	05-May-04	17:05
SSED-03	0405096-13		SOIL	04-May-04	18:10
SSED-04	0405096-14		SOIL	04-May-04	17:00
SSED-05	0405096-15		SOIL	04-May-04	15:59
SSED-06	0405096-16		SOIL	04-May-04	15:03
SSED-07	0405096-17		SOIL	04-May-04	14:00
SSED-08	0405096-18		SOIL	05-May-04	12:40
SSED-09	0405096-19		SOIL	05-May-04	15:20
SSED-10	0405096-20		SOIL	04-May-04	19:05
GEN-01	0405096-21		SOIL	07-May-04	12:40
GEN-02	0405096-22		SOIL	07-May-04	12:35
GEN-03	0405096-23		SOIL	07-May-04	12:50
GEN-04	0405096-24		SOIL	07-May-04	13:06
SOIL-01	0405096-25		SOIL	06-May-04	16:00
SOIL-02	0405096-26		SOIL	06-May-04	15:40
SOIL-04	0405096-27		SOIL	06-May-04	15:04
SOIL-05	0405096-28		SOIL	06-May-04	15:10
SOIL-07	0405096-29		SOIL	07-May-04	13:50
SOIL-08	0405096-30		SOIL	07-May-04	16:15
SOIL-09	0405096-31		SOIL	07-May-04	14:10
SOIL-10	0405096-32		SOIL	07-May-04	16:40

Chain of Custody

031006



Paragon Analytics, Inc.

225 Commerce Drive Fort Collins, CO 80524
800-443-1511 or (970) 490-1522 Fax (970) 490-1522

Accession Number (LAB ID)

Chain-of-Custody Date _____
Page 3 of 1

Project Name / No.:	Sampler(s):	Turnaround: Standard or Rush (Due)				Dispose or Return to Client
		(circle one)	(circle one)	(circle one)	(circle one)	
Report To: <i>[Signature]</i>						
Phone: <i>[Signature]</i>						
Fax: <i>[Signature]</i>						
Company: <i>[Signature]</i>						
Address: <i>[Signature]</i>						
Sample ID: <u>2004</u>						
No. of Contaminants						
Matrix						
Lab ID						
Time *						
Date						
Comments:						
<p><i>Hold analyses pending methyl results from samples 0501-01, 700-01, and 900-01.</i></p>						
* Time Zone: Eastern, EST, EST MDT, DST						
** Indicate specific analytes under comments.						
Distribution: White / yellow (Paragon); pink retained by originator.						
Sample ID Date Time * Matrix Lab ID						
MSED-08	5-7	0915	8	500	3	(C)
MSED-09		0920	9	3	3	(C)
MSED-10		1010	10	3	3	(C)
SSED-01	5-5	1615	11	500	3	(C)
SSED-02	5-5	1705	12	3	3	(C)
SSED-03	5-4	1810	13	3	3	(C)
SSED-04		1700	14	3	3	(C)
SSED-05		1559	15	3	3	(C)
SSED-06		1503	16	3	3	(C)
Relinquished By:						
(1) Received By:						
Signature <u>Kent & Carrick</u> Printed Name <u>Kent & Carrick</u> Date <u>5/10/04</u> Time <u>10:00</u> Company <u>Kent & Carrick</u>						
(2) Received By:						
Signature <u>Wendy Weller</u> Printed Name <u>Wendy Weller</u> Date <u>5/11/04</u> Time <u>10:45</u> Company <u>Paragon Analytics</u>						

800000



Paragon Analytics, Inc.

225 Commerce Drive Fort Collins, CO 80524
800-443-1511 or (970) 490-1511 (970) 490-1522 Fax

Chain-of-Custody

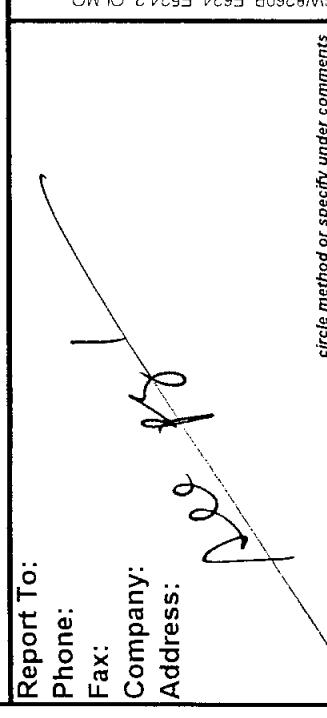
Accession Number (LAB ID)

Date _____

Page 4 of 9

Project Name / No.: Sample(s):

Report To:
Phone:
Fax:
Company:
Address:



(circle one) Turnaround: Standard or Rush (Due _____)

) Dispose or Return to Client

Sample ID	Date	Time *	Lab ID	Matrix	No. of Contaminants	circle method or specify under comments	Turnaround: Standard or Rush (Due _____)			
							(circle one) Turnaround: Standard or Rush (Due _____)			
SSED-07	5-4	1400	17	Soil	3		X	X	X	
SSED-08	5-5	1240	18	(	3		X	X	X	
SSED-09	5-5	1520	19	)	3		(((
SSED-10	5-4	1905	20	✓	3		(((
GEN-01	5-7	1240	21	Soil	2		X	X	X	
GEN-02	5-7	1235	22	(	5		(((
GEN-03	5-7	1250	23	)	2		X	X	X	
GEN-04	5-7	1300	24	✓	2		X	X	X	

Comments:

(C) Hold analyses pending metal results from samples OSA-01, 700-01, and 900-01.

Relinquished By:

Signature Bernard W. Joseph

Printed Name George Warrick

Date 5-10-04 Time 10:00

Company Paragon Analytics

Received By:

Signature Dave J.

Printed Name Andy Wolf

Date 5-11-04 Time 10:45

Company Paragon Analytics



Paragon Analytics, Inc.

225 Commerce Drive Fort Collins, CO 80524
800-443-1511 or (970) 490-1522 Fax (970) 490-1511

Accession Number (LAB ID) 01/105096 Date _____ Page 5 of 9

Chain-of-Custody

(circle one) Turnaround: Standard or Rush (Due) Dispose or Return to Client

Sampler(s):

Project Name / No.:	Report To:	Phone:	Fax:	Company:	Address:	Sample ID						No. of Containers	Matrix	Lab ID	Time *	Date	circle method or specify under comments						
						2024																	
S01L-01						5-6	1600	25	Soil	3													
S01L-02						5-6	1540	24	Soil	3													
S01L-04						5-6	1504	27	Soil	3													
S01L-05						5-6	1510	28	Soil	3													
S01L-07						5-7	1350	24	Soil	3													
S01L-08						5-7	1615	30	Soil	3													
S01L-09						5-7	1410	31	Soil	2													
S01L-10						5-7	1640	32	Soil	3													
HR-01						5-6	1900	RR	1														

Comments:

On Job # 0405097 *10/15/2024*

Relinquished By:
Signature _____ Printed Name _____ Date _____ Time _____ Company _____

(2) Received By:
Signature _____ Printed Name _____ Date _____ Time _____ Company _____

(1) Received By:
Signature _____ Printed Name _____ Date 5-11-24 Time 10:00 Company Kent & Associates

(2) Received By:
Signature _____ Printed Name _____ Date _____ Time _____ Company _____

* Time _____ EST / CEST / MET / DST

Distribution: white / yellow (Paragon); pink retained by originator.

** Indicate specific analytes under comments.

Form 2024.xls (1/3/01)

Paragon Analytics, Inc. -- Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: Kent + Sullivan WORKORDER NO: 0405096
 PROJECT MANAGER: Debbie Fazio INITIALS: DW DATE: 5/12/04

1. Does this project require any special handling in addition to standard Paragon procedures?	<input checked="" type="checkbox"/> Yes	No	
IS PRE-SCREENING REQUIRED? (radiochemistry, DOE, etc.)		<input checked="" type="checkbox"/> Yes	No
2. Are custody seals on shipping containers intact? How many custody seals are provided? <u>2 each</u>	N/A	<input checked="" type="checkbox"/> Yes	No
3. Are the custody seals on sample containers intact?	<input checked="" type="checkbox"/> N/A	Yes	No
4. Is there a Chain-of-Custody (COC) or other representative documents, letters, or shipping memos?	<input checked="" type="checkbox"/> Yes	No	
5. Is the COC complete? Relinquished: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Analyses Requested: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	<input checked="" type="checkbox"/> Yes	No
6. Is the COC in agreement with the samples received? No. of Samples: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Sample ID's: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Matrix: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No. of Containers: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	<input checked="" type="checkbox"/> Yes	No
7. Were COC (if applicable) and sample labels legible?	<input checked="" type="checkbox"/> Yes	No	
8. Were airbills present and/or removable?	N/A	<input checked="" type="checkbox"/> Yes	No
9. Are all aqueous samples requiring chemical preservation preserved correctly (excluding volatile organics)? Are all aqueous non-preserved samples at the correct pH?	<input checked="" type="checkbox"/> N/A	Yes	No
10. Is there enough sample for requested analyses? If so, were samples placed in the proper containers?	<input checked="" type="checkbox"/> Yes	No	
11. Are all samples within holding times for the requested analyses?	<input checked="" type="checkbox"/> Yes	No	
12. Were all sample containers received intact? (not broken or leaking, etc.)	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
13. Are samples requiring no headspace (volatiles, reactive cyanide/sulfide, radon), headspace free? Size of bubble: <u> </u> < green pea; <u> </u> > green pea (List sample IDs and affected containers on Page 2)	<input checked="" type="checkbox"/> N/A	Yes	No
14. Were samples checked for and free from the presence of residual chlorine?	<input checked="" type="checkbox"/> N/A	Yes	No
15. Were the sample(s) shipped on ice?	N/A	<input checked="" type="checkbox"/> Yes	No
16. Were cooler temperatures measured at 0.1 - 6 °C ? IR Gun Used*: <u>1 2</u>	N/A	Yes	<input checked="" type="checkbox"/> No
7. Were all samples cooled that should have been cooled?	N/A	Yes	<input checked="" type="checkbox"/> No

Water #s 924 898 897 749 868 22
 Temperature 10° 10° 9° 15° 12° 14° °C

Manager Signature / Date: Debbie Fazio 5/14/04

RESPONSE TO ANY QUESTION EXCEPT # 1 REQUIRES THE COMPLETION OF PAGE 2 OF THIS FORM

#1 (original): Raytek, SN SC-PM3/T29403
 (newer): Oakton, SN 2SC1R1201

Paragon Analytics, Inc. -- Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: Kent + Sullivan WORKORDER NO: 2405096
 PROJECT MANAGER: Debbie Fazio INITIALS: DW DATE: 5/12/04

- Custody seals broken (on outside of shipping container or on sample containers).
- No Chain-of-Custody (COC) present.
- Number of samples on the COC do not match the number of samples received.
- Aqueous samples not preserved correctly (see pH discussion below).
- SVOC samples contained residual chlorine (list sample IDs and affected containers below).
- Samples received at inappropriate temperature.
- Insufficient sample to perform requested analyses.
- Extraction or analytical holding times expired in transit.
- Broken/leaking bottles and intact bottles received in same cooler (list affected sample IDs below).
- No analyses requested.
- Incorrect sample type received.
- VOAs, reactive CN/S, radon not headspace free (list sample IDs and affected vials below).
- Airbills not present and/or removable (record applicable shipper's tracking number below).
- Other (describe below).

Describe discrepancy:

- All samples received between 9° - 15° C. Refer to page 1 for cooler temperatures and refer to DOT Survey pages for cooler contents. Insufficient ice packed with samples
- Sample #17, bottle 3: Container received with a small crack in lid, no loss of sample was apparent. Lid was replaced during sample check-in.

Was the client contacted? No; Yes: Name Sue Kent Date/Time 5/14/04

Was the pH of any sample adjusted by the laboratory? No; Yes (see Table below):

NOTE: No pH adjustments shall be made without prior consent of Project Manager. After pH adjustment, hold metals and radchem samples ≥ 16 hr before analysis.

Sample ID	Initial pH	Final pH (wait 30 min)	Type of Reagent Used	Lot No. of Reagent Used	Initials / Date / Time

Was the laboratory directed to proceed with the analysis of any samples yielding the presence of residual chlorine? No; Yes (see notes above).

Project Manager Signature / Date: DW 5/14/04

011012

0405096
0405097

1-800-2ALASKA

027 KTN 5436-6152 Box No.
0001

Pieces Total Weight Date
17 865 10-MAY-04

14 RAIDOCATIVE COOLERS COOL
3 MT COOLERS

190

Destination

DEN

2 seats
10 ac

ARTIC 0-0410-3-1635

#824



1-800-2ALASKA

027 KTN 5436-6152 Box No.
0011

Pieces Total Weight Date
17 865 10-MAY-04

14 RAIDOCATIVE COOLERS COOL
3 MT COOLERS

320⁹⁰⁰

Destination

DEN

2 seats
10 ac

ARTIC 0-0410-3-1635

#81



1-800-2ALASKA

027 KTN 5436-6152 Box No.
0015

Pieces Total Weight Date
17 865 10-MAY-04

14 RAIDOCATIVE COOLERS COOL
3 MT COOLERS

140⁹⁵

Destination

DEN

ARTIC 0-0410-3-1635

#898



2 seats

1-800-2ALASKA

027 KTN 5436-6152 Box No.
0002

Pieces Total Weight Date
17 865 10-MAY-04

14 RAIDOCATIVE COOLERS COOL
3 MT COOLERS

300¹⁵

Destination

DEN

ARTIC 0-0410-3-1635

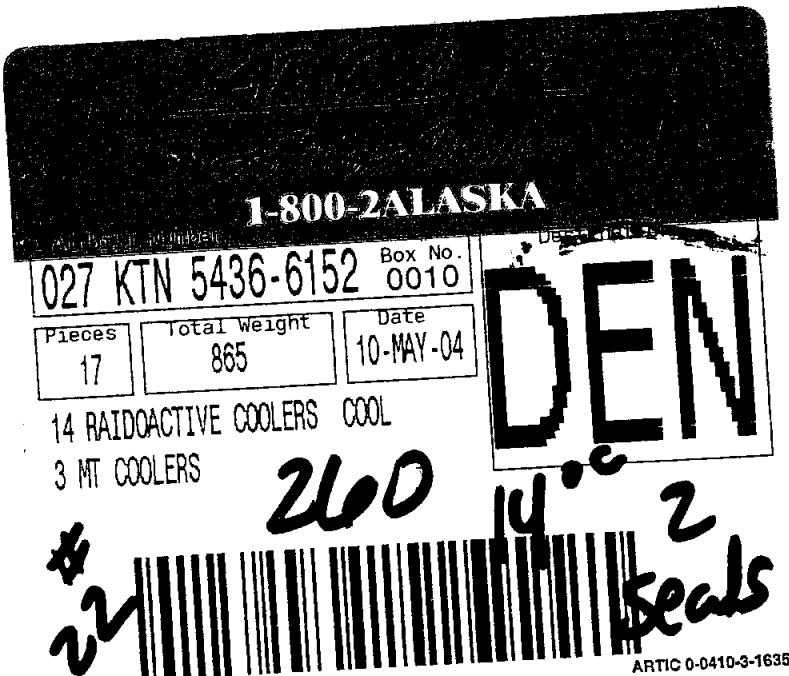
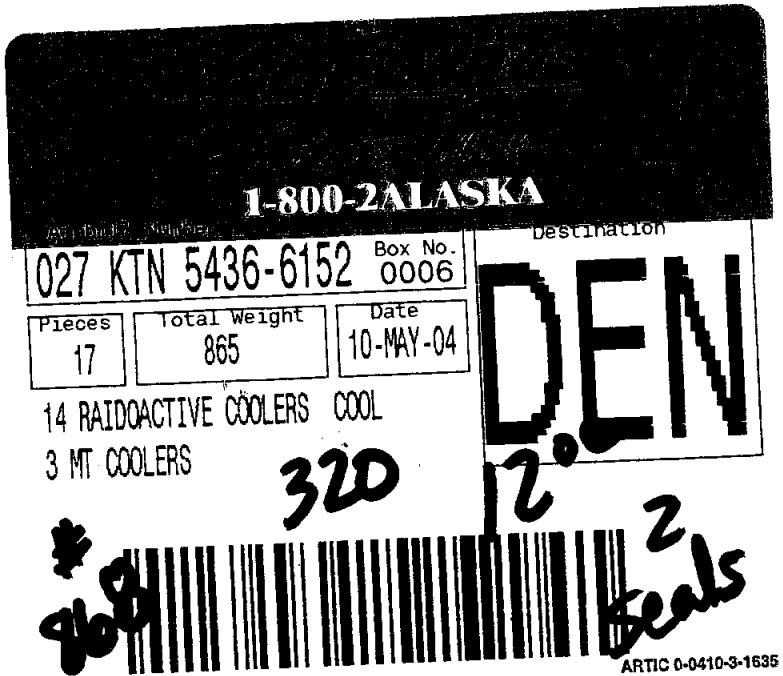
#81



2 seats

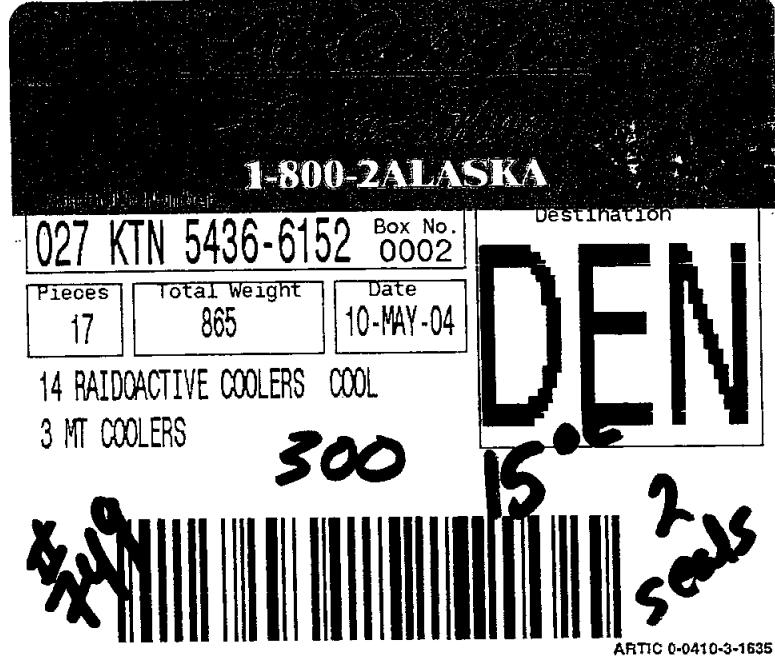
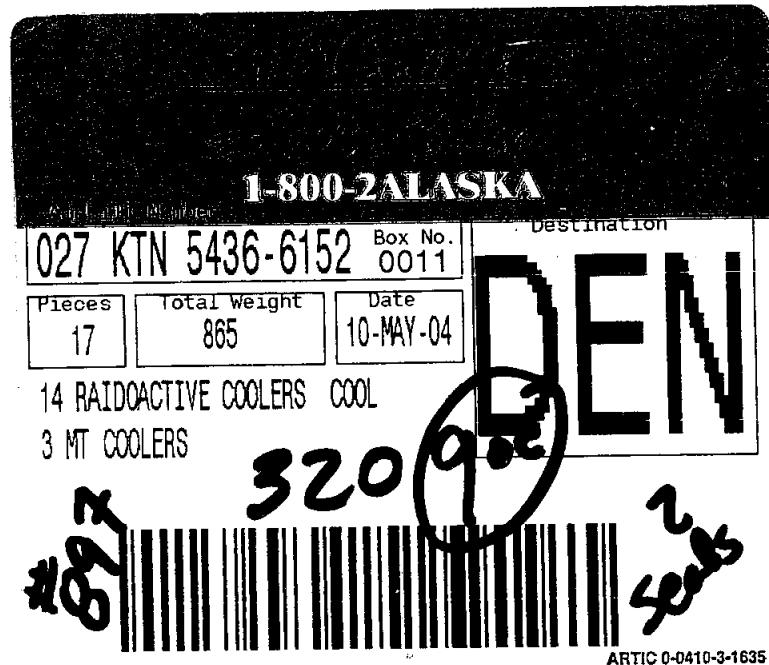
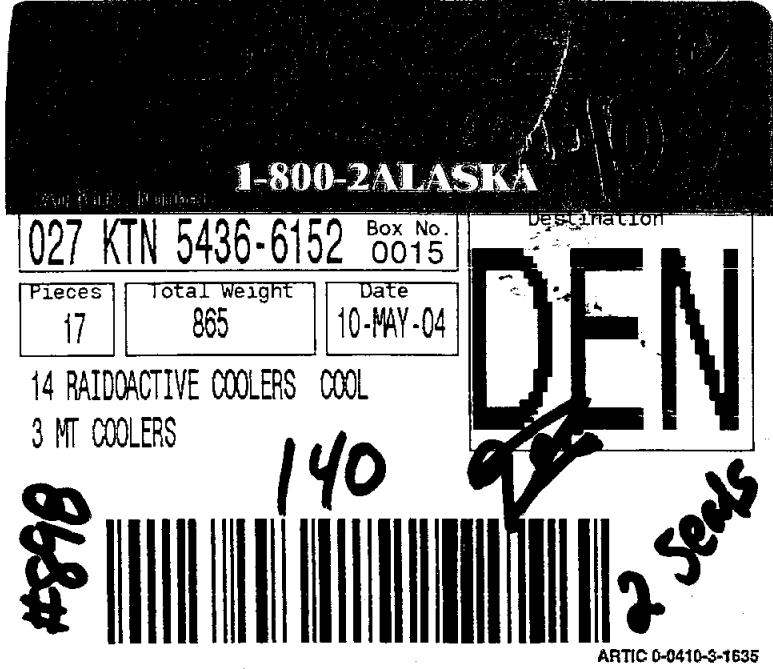
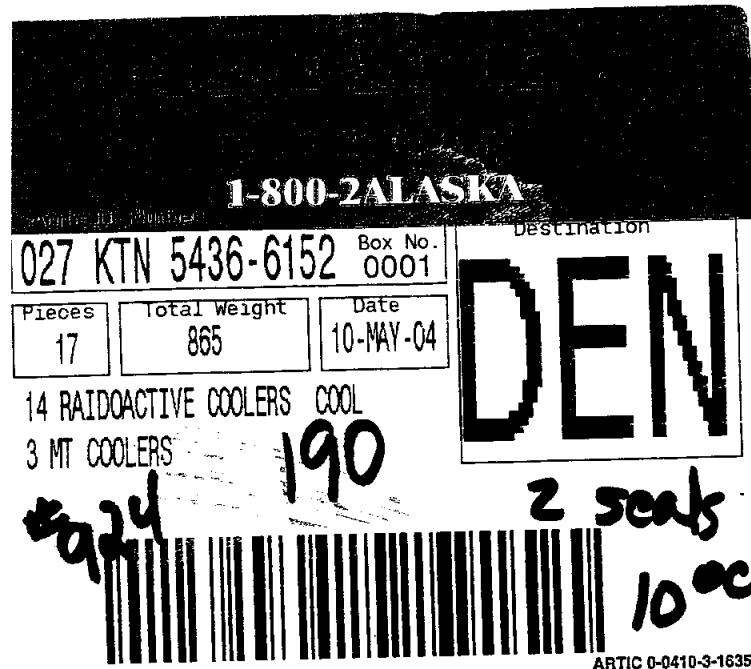
077013

0405096
0405097



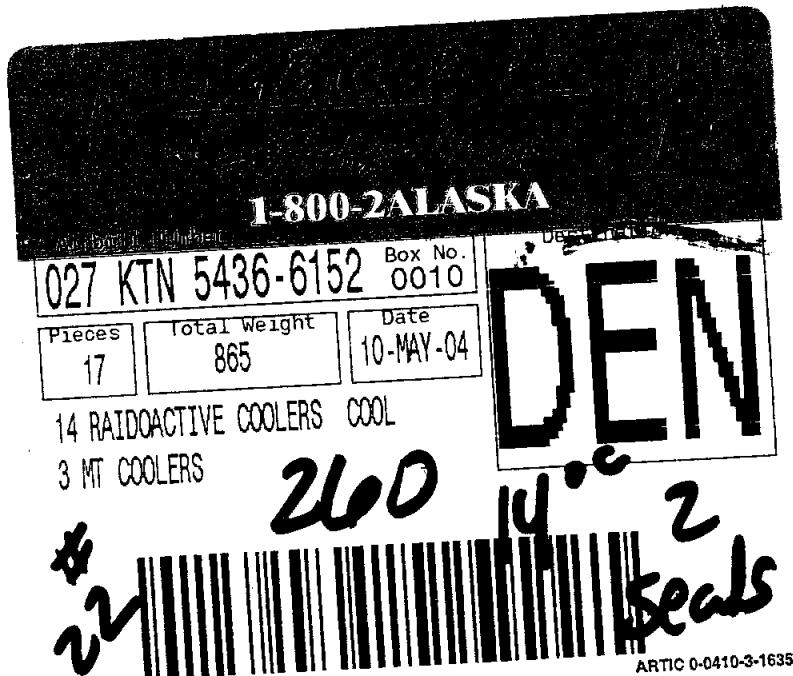
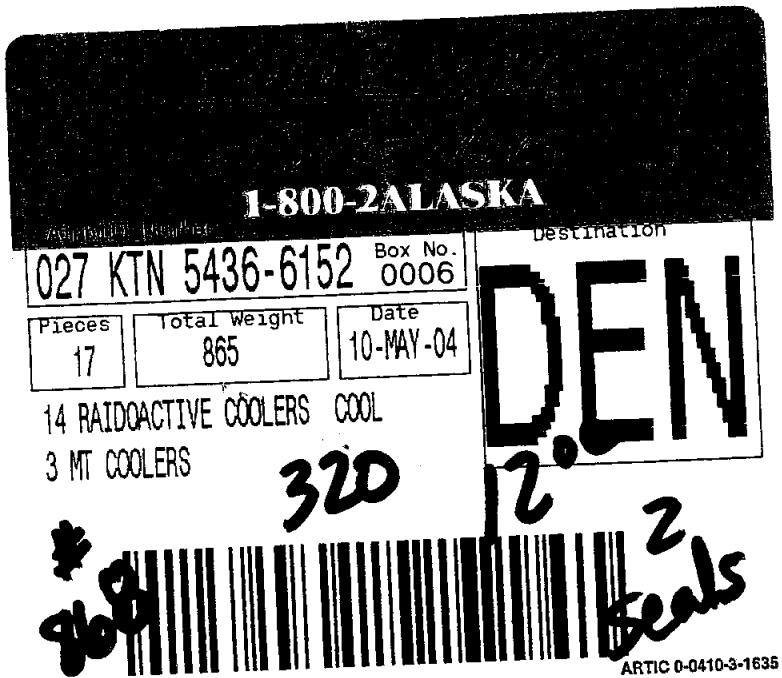
000014

0405096
0405097



000015

0405096
0405097



000016

Inorganic Qualifiers

000017

Inorganic Data Reporting Qualifiers

The following qualifiers are used by the laboratory when reporting results of inorganic analyses.

- Result qualifier -- If the analyte was analyzed for but not detected a "U" is entered.
- QC qualifier -- Specified entries and their meanings are as follows:
 - E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.
 - M - Duplicate injection precision was not met.
 - N - Spiked sample recovery not within control limits. A post spike is analyzed for all 6010B and 6020A analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.
 - Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.
 - * - Duplicate analysis (relative percent difference) not within control limits.

Sample Results

Total ICP Metals

Method SW6010 Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID: MSED-01
Lab ID: 0405096-1

Sample Matrix:SOIL
% Moisture:30.4
Date Collected:06-May-04
Date Extracted:09-Jul-04
Date Analyzed:12-Jul-04
Prep Method:SW3050B

Prep Batch:IP040709-2
QCBatchID:IP040709-2-1
Run ID:IT040712-1A1
Cleanup:NONE
Basis:Dry Weight

Sample Aliquot: 1 g
Final Volume: 100ml
Result Units:mg/kg
Clean DF: 1
File Name:TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	7100	29		
7440-38-2	ARSENIC	1	3.9	1.4		
7439-89-6	IRON	1	14000	14		
7439-92-1	LEAD	5	2.2	2.2	U	
7439-96-5	MANGANESE	1	430	1.4		

Data Package ID: IT0405096-2

Date Printed:Tuesday, December 21, 2004

Paragon Analytics

LIMS Version: 5.134A

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000020

Total ICP Metals

Method SW6010 Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID: MSED-02
Lab ID: 0405096-2

Sample Matrix:SOIL
% Moisture:47.4
Date Collected:06-May-04
Date Extracted:09-Jul-04
Date Analyzed:12-Jul-04
Prep Method:SW3050B

Prep Batch:IP040709-2
QCBatchID:IP040709-2-1
Run ID:IT040712-1A1
Cleanup:NONE
Basis:Dry Weight

Sample Aliquot: 1g
Final Volume: 100ml
Result Units:mg/kg
Clean DF: 1
File Name:TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	16000	38		
7440-38-2	ARSENIC	1	13	1.9		
7439-89-6	IRON	1	33000	19		
7439-92-1	LEAD	1	4.2	0.57		
7439-96-5	MANGANESE	1	350	1.9		

Data Package ID: IT0405096-2

Date Printed:Tuesday, December 21, 2004

Paragon Analytics
LIMS Version: 5.134A

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000021

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID: MSED-03
Lab ID: 0405096-3

Sample Matrix:SOIL
% Moisture:33.4
Date Collected:06-May-04
Date Extracted:09-Jul-04
Date Analyzed: 12-Jul-04
Prep Method:SW3050B

Prep Batch:IP040709-2
QCBatchID:IP040709-2-1
Run ID:IT040712-1A1
Cleanup:NONE
Basis:Dry Weight

Sample Aliquot: 1g
Final Volume: 100ml
Result Units:mg/kg
Clean DF: 1
File Name:TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	9500	30		
7440-38-2	ARSENIC	1	5.8	1.5		
7439-89-6	IRON	1	16000	15		
7439-92-1	LEAD	1	2.5	0.45		
7439-96-5	MANGANESE	1	200	1.5		

Data Package ID: IT0405096-2

Date Printed:Tuesday, December 21, 2004

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Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID: MSED-04
Lab ID: 0405096-4

Sample Matrix:SOIL
% Moisture:9.3
Date Collected:06-May-04
Date Extracted:09-Jul-04
Date Analyzed:12-Jul-04
Prep Method:SW3050B

Prep Batch:IP040709-2
QCBatchID:IP040709-2-1
Run ID:IT040712-1A1
Cleanup:NONE
Basis:Dry Weight

Sample Aliquot: 1g
Final Volume: 100ml
Result Units:mg/kg
Clean DF: 1
File Name:TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	7700	22		
7440-38-2	ARSENIC	1	2.5	1.1		
7439-89-6	IRON	1	18000	11		
7439-92-1	LEAD	1	9.7	0.33		
7439-96-5	MANGANESE	1	440	1.1		

Data Package ID: IT0405096-2

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Total ICP Metals

Method SW6010 Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID:	MSED-05
Lab ID:	0405096-5

Sample Matrix:SOIL
% Moisture:20.5
Date Collected:06-May-04
Date Extracted:09-Jul-04
Date Analyzed: 12-Jul-04
Prep Method:SW3050B

Prep Batch:IP040709-2
QCBatchID:IP040709-2-1
Run ID:IT040712-1A1
Cleanup:NONE
Basis:Dry Weight

Sample Aliquot: 1g
Final Volume: 100ml
Result Units:mg/kg
Clean DF: 1
File Name:TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	11000	25		
7440-38-2	ARSENIC	1	5	1.3		
7439-89-6	IRON	2	25000	25		
7439-92-1	LEAD	2	20	0.75		
7439-96-5	MANGANESE	1	860	1.3		

Data Package ID: IT0405096-2

Date Printed:Tuesday, December 21, 2004

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Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID:	MSED-06
Lab ID:	0405096-6

Sample Matrix: SOIL

% Moisture: N/A

Date Collected: 07-May-04

Date Extracted: 09-Jul-04

Date Analyzed: 12-Jul-04

Prep Method: SW3050B

Prep Batch: IP040709-2

QCBatchID: IP040709-2-1

Run ID: IT040712-1A1

Cleanup: NONE

Basis: Dry Weight

Sample Aliquot: 1 g

Final Volume: 100 ml

Result Units: mg/kg

Clean DF: 1

File Name: TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	14000	20		
7440-38-2	ARSENIC	1	1.6	1		
7439-89-6	IRON	2	34000	20		
7439-92-1	LEAD	2	1.6	0.6		
7439-96-5	MANGANESE	1	540	1		

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID: MSED-07
Lab ID: 0405096-7

Sample Matrix:SOIL
% Moisture:18.7
Date Collected:07-May-04
Date Extracted:09-Jul-04
Date Analyzed:12-Jul-04
Prep Method:SW3050B

Prep Batch:IP040709-2
QCBatchID:IP040709-2-1
Run ID:IT040712-1A1
Cleanup:NONE
Basis:Dry Weight

Sample Aliquot: 1g
Final Volume: 100ml
Result Units:mg/kg
Clean DF: 1
File Name:TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	7900	25		
7440-38-2	ARSENIC	1	7.7	1.2		
7439-89-6	IRON	1	21000	12		
7439-92-1	LEAD	2	20	0.74		
7439-96-5	MANGANESE	1	330	1.2		

Data Package ID: IT0405096-2

Date Printed:Tuesday, December 21, 2004

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Total ICP Metals

Method SW6010 Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID: MSED-08
Lab ID: 0405096-8

Sample Matrix: SOIL
% Moisture: 19.9
Date Collected: 07-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 12-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-2
QCBatchID: IP040709-2-1
Run ID: IT040712-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: mg/kg
Clean DF: 1
File Name: TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	7100	25		
7440-38-2	ARSENIC	1	4.7	1.2		
7439-89-6	IRON	1	14000	12		
7439-92-1	LEAD	5	14	1.9		
7439-96-5	MANGANESE	1	370	1.2		

Data Package ID: IT0405096-2

Date Printed: Tuesday, December 21, 2004

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Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID: MSED-09
Lab ID: 0405096-9

Sample Matrix:SOIL
% Moisture:66.3
Date Collected:07-May-04
Date Extracted:09-Jul-04
Date Analyzed:12-Jul-04
Prep Method:SW3050B

Prep Batch:IP040709-2
QCBatchID:IP040709-2-1
Run ID:IT040712-1A1
Cleanup:NONE
Basis:Dry Weight

Sample Aliquot: 1g
Final Volume: 100ml
Result Units:mg/kg
Clean DF: 1
File Name:TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	23000	59		
7440-38-2	ARSENIC	1	49	3		
7439-89-6	IRON	1	51000	30		
7439-92-1	LEAD	1	43	0.89		
7439-96-5	MANGANESE	1	550	3		

Data Package ID: IT0405096-2

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Total ICP Metals

Method SW6010 Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID:	MSED-10
Lab ID:	0405096-10

Sample Matrix:SOIL
% Moisture:4.9
Date Collected:07-May-04
Date Extracted:09-Jul-04
Date Analyzed: 12-Jul-04
Prep Method:SW3050B

Prep Batch:IP040709-2
QCBatchID:IP040709-2-1
Run ID:IT040712-1A1
Cleanup:NONE
Basis:Dry Weight

Sample Aliquot: 1g
Final Volume: 100ml
Result Units:mg/kg
Clean DF: 1
File Name:TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	6000	21		
7440-38-2	ARSENIC	1	1.1	1.1	U	
7439-89-6	IRON	1	12000	11		
7439-92-1	LEAD	2	8.4	0.63		
7439-96-5	MANGANESE	1	230	1.1		

Data Package ID: IT0405096-2

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Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID: SSED-01
Lab ID: 0405096-11

Sample Matrix:SOIL
% Moisture:12.3
Date Collected:05-May-04
Date Extracted:09-Jul-04
Date Analyzed:12-Jul-04
Prep Method:SW3050B

Prep Batch:IP040709-2
QCBatchID:IP040709-2-1
Run ID:IT040712-1A1
Cleanup:NONE
Basis:Dry Weight

Sample Aliquot: 1 g
Final Volume: 100ml
Result Units:mg/kg
Clean DF: 1
File Name:TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	960	23		
7440-38-2	ARSENIC	1	1.9	1.1		
7439-89-6	IRON	1	5600	11		
7439-92-1	LEAD	1	16	0.34		
7439-96-5	MANGANESE	1	86	1.1		

Data Package ID: IT0405096-2

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Total ICP Metals

Method SW6010 Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID:	SSED-02
Lab ID:	0405096-12

Sample Matrix:SOIL
% Moisture:10.4
Date Collected:05-May-04
Date Extracted:09-Jul-04
Date Analyzed:12-Jul-04
Prep Method:SW3050B

Prep Batch:IP040709-2
QCBatchID:IP040709-2-1
Run ID:IT040712-1A1
Cleanup:NONE
Basis:Dry Weight

Sample Aliquot: 1g
Final Volume: 100ml
Result Units:mg/kg
Clean DF: 1
File Name:TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	680	22		
7440-38-2	ARSENIC	1	10	1.1		
7439-89-6	IRON	1	4900	11		
7439-92-1	LEAD	1	9.8	0.33		
7439-96-5	MANGANESE	1	39	1.1		

Data Package ID: IT0405096-2

Date Printed:Tuesday, December 21, 2004

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Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID: SSED-03
Lab ID: 0405096-13

Sample Matrix: SOIL
% Moisture: 25.5
Date Collected: 04-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 12-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-2
QCBatchID: IP040709-2-1
Run ID: IT040712-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100ml
Result Units: mg/kg
Clean DF: 1
File Name: TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	13000	27		
7440-38-2	ARSENIC	1	2.3	1.3		
7439-89-6	IRON	2	31000	27		
7439-92-1	LEAD	2	6.7	0.81		
7439-96-5	MANGANESE	2	1500	2.7		

Data Package ID: IT0405096-2

Date Printed: Tuesday, December 21, 2004

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Total ICP Metals

Method SW6010 Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID:	SSED-04
Lab ID:	0405096-14

Sample Matrix:SOIL
% Moisture:9.1
Date Collected:04-May-04
Date Extracted:09-Jul-04
Date Analyzed:12-Jul-04
Prep Method:SW3050B

Prep Batch:IP040709-2
QCBatchID:IP040709-2-1
Run ID:IT040712-1A1
Cleanup:NONE
Basis:Dry Weight

Sample Aliquot: 1g
Final Volume: 100ml
Result Units:mg/kg
Clean DF: 1
File Name:TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	6600	22		
7440-38-2	ARSENIC	1	1.9	1.1		
7439-89-6	IRON	1	15000	11		
7439-92-1	LEAD	1	5.7	0.33		
7439-96-5	MANGANESE	1	260	1.1		

Data Package ID: IT0405096-2

Date Printed:Tuesday, December 21, 2004

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Total ICP Metals

Method SW6010 Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID: SSED-05
Lab ID: 0405096-15

Sample Matrix:SOIL
% Moisture:7.7
Date Collected:04-May-04
Date Extracted:09-Jul-04
Date Analyzed:12-Jul-04
Prep Method:SW3050B

Prep Batch:IP040709-2
QCBatchID:IP040709-2-1
Run ID:IT040712-1A1
Cleanup:NONE
Basis:Dry Weight

Sample Aliquot: 1g
Final Volume: 100ml
Result Units:mg/kg
Clean DF: 1
File Name:TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	8700	22		
7440-38-2	ARSENIC	1	1.8	1.1		
7439-89-6	IRON	1	19000	11		
7439-92-1	LEAD	1	7.6	0.33		
7439-96-5	MANGANESE	1	420	1.1		

Data Package ID: IT0405096-2

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Total ICP Metals

Method SW6010 Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID: SSED-06
Lab ID: 0405096-16

Sample Matrix:SOIL
% Moisture:16.2
Date Collected:04-May-04
Date Extracted:09-Jul-04
Date Analyzed:12-Jul-04
Prep Method:SW3050B

Prep Batch:IP040709-2
QCBatchID:IP040709-2-1
Run ID:IT040712-1A1
Cleanup:NONE
Basis:Dry Weight

Sample Aliquot: 1g
Final Volume: 100ml
Result Units:mg/kg
Clean DF: 1
File Name:TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	8100	24		
7440-38-2	ARSENIC	1	2	1.2		
7439-89-6	IRON	1	19000	12		
7439-92-1	LEAD	1	6	0.36		
7439-96-5	MANGANESE	1	360	1.2		

Data Package ID: IT0405096-2

Date Printed:Tuesday, December 21, 2004

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Total ICP Metals

Method SW6010 Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID: SSED-07
Lab ID: 0405096-17

Sample Matrix:SOIL
% Moisture:26.1
Date Collected:04-May-04
Date Extracted:09-Jul-04
Date Analyzed:12-Jul-04
Prep Method:SW3050B

Prep Batch:IP040709-2
QCBatchID:IP040709-2-1
Run ID:IT040712-1A1
Cleanup:NONE
Basis:Dry Weight

Sample Aliquot: 1g
Final Volume: 100ml
Result Units:mg/kg
Clean DF: 1
File Name:TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	12000	27		
7440-38-2	ARSENIC	1	3.2	1.4		
7439-89-6	IRON	2	27000	27		
7439-92-1	LEAD	2	14	0.81		
7439-96-5	MANGANESE	1	940	1.4		

Data Package ID: IT0405096-2

Date Printed:Tuesday, December 21, 2004

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Total ICP Metals

Method SW6010 Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID: SSED-08
Lab ID: 0405096-18

Sample Matrix:SOIL
% Moisture:5.7
Date Collected:05-May-04
Date Extracted:09-Jul-04
Date Analyzed:12-Jul-04
Prep Method:SW3050B

Prep Batch:IP040709-2
QCBatchID:IP040709-2-1
Run ID:IT040712-1A1
Cleanup:NONE
Basis:Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units:mg/kg
Clean DF: 1
File Name:TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	5200	21		
7440-38-2	ARSENIC	1	6.3	1.1		
7439-89-6	IRON	1	18000	11		
7439-92-1	LEAD	2	48	0.64		
7439-96-5	MANGANESE	2	1400	2.1		

Data Package ID: IT0405096-2

Date Printed:Tuesday, December 21, 2004

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Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID: SSED-09
Lab ID: 0405096-19

Sample Matrix: SOIL
% Moisture: 5.3
Date Collected: 05-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 12-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-2
QCBatchID: IP040709-2-1
Run ID: IT040712-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1g
Final Volume: 100ml
Result Units: mg/kg
Clean DF: 1
File Name: TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	1800	21		
7440-38-2	ARSENIC	1	2.2	1.1		
7439-89-6	IRON	1	8300	11		
7439-92-1	LEAD	1	16	0.32		
7439-96-5	MANGANESE	1	170	1.1		

Data Package ID: IT0405096-2

Date Printed: Tuesday, December 21, 2004

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Total ICP Metals

Method SW6010 Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID:	SSED-10
Lab ID:	0405096-20

Sample Matrix:SOIL
% Moisture:15.2
Date Collected:04-May-04
Date Extracted:09-Jul-04
Date Analyzed: 12-Jul-04
Prep Method:SW3050B

Prep Batch:IP040709-2
QCBatchID:IP040709-2-1
Run ID:IT040712-1A1
Cleanup:NONE
Basis:Dry Weight

Sample Aliquot: 1g
Final Volume: 100ml
Result Units:mg/kg
Clean DF: 1
File Name:TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	9400	24		
7440-38-2	ARSENIC	1	2.4	1.2		
7439-89-6	IRON	1	21000	12		
7439-92-1	LEAD	1	9.1	0.35		
7439-96-5	MANGANESE	1	470	1.2		

Data Package ID: IT0405096-2

Date Printed:Tuesday, December 21, 2004

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Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID:	GEN-02
Lab ID:	0405096-22

Sample Matrix: SOIL

% Moisture: 3.1

Date Collected: 07-May-04

Date Extracted: 09-Jul-04

Date Analyzed: 12-Jul-04

Prep Method: SW3050B

Prep Batch: IP040709-3

QCBatchID: IP040709-3-1

Run ID: IT040712-1A1

Cleanup: NONE

Basis: Dry Weight

Sample Aliquot: 1 g

Final Volume: 100 ml

Result Units: mg/kg

Clean DF: 1

File Name: TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	2000	21		
7440-38-2	ARSENIC	1	2.1	1		
7439-89-6	IRON	1	8500	10		
7439-92-1	LEAD	1	15	0.31		
7439-96-5	MANGANESE	1	200	1		

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID: SOIL-01
Lab ID: 0405096-25

Sample Matrix:SOIL
% Moisture:67.8
Date Collected:06-May-04
Date Extracted:09-Jul-04
Date Analyzed:12-Jul-04
Prep Method:SW3050B

Prep Batch:IP040709-3
QCBatchID:IP040709-3-1
Run ID:IT040712-1A1
Cleanup:NONE
Basis:Dry Weight

Sample Aliquot: 1 g
Final Volume: 100ml
Result Units:mg/kg
Clean DF: 1
File Name:TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	14000	62		
7440-38-2	ARSENIC	1	3.1	3.1	U	
7439-89-6	IRON	1	26000	31		
7439-92-1	LEAD	1	31	0.93		
7439-96-5	MANGANESE	1	310	3.1		

Data Package ID: IT0405096-2

Date Printed:Tuesday, December 21, 2004

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Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID:	SOIL-02
Lab ID:	0405096-26

Sample Matrix:SOIL
% Moisture:47.6
Date Collected:06-May-04
Date Extracted:09-Jul-04
Date Analyzed:12-Jul-04
Prep Method:SW3050B

Prep Batch:IP040709-3
QCBatchID:IP040709-3-1
Run ID:IT040712-1A1
Cleanup:NONE
Basis:Dry Weight

Sample Aliquot: 1 g
Final Volume: 100ml
Result Units:mg/kg
Clean DF: 1
File Name:TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	11000	38		
7440-38-2	ARSENIC	1	1.9	1.9	U	
7439-89-6	IRON	1	33000	19		
7439-92-1	LEAD	1	19	0.57		
7439-96-5	MANGANESE	1	290	1.9		

Data Package ID: IT0405096-2

Date Printed:Tuesday, December 21, 2004

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Total ICP Metals

Method SW6010 Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID: SOIL-04
Lab ID: 0405096-27

Sample Matrix:SOIL
% Moisture:37
Date Collected:06-May-04
Date Extracted:09-Jul-04
Date Analyzed:12-Jul-04
Prep Method:SW3050B

Prep Batch:IP040709-3
QCBatchID:IP040709-3-1
Run ID:IT040712-1A1
Cleanup:NONE
Basis:Dry Weight

Sample Aliquot: 1g
Final Volume: 100ml
Result Units:mg/kg
Clean DF: 1
File Name:TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	28000	32		
7440-38-2	ARSENIC	1	3.7	1.6		
7439-89-6	IRON	2	46000	32		
7439-92-1	LEAD	2	87	0.95		
7439-96-5	MANGANESE	1	680	1.6		

Data Package ID: IT0405096-2

Date Printed:Tuesday, December 21, 2004

Paragon Analytics

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Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID: SOIL-05
Lab ID: 0405096-28

Sample Matrix:SOIL
% Moisture:40.4
Date Collected:06-May-04
Date Extracted:09-Jul-04
Date Analyzed:12-Jul-04
Prep Method:SW3050B

Prep Batch:IP040709-3
QCBatchID:IP040709-3-1
Run ID:IT040712-1A1
Cleanup:NONE
Basis:Dry Weight

Sample Aliquot: 1 g
Final Volume: 100ml
Result Units:mg/kg
Clean DF: 1
File Name:TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	11000	34		
7440-38-2	ARSENIC	1	1.7	1.7	U	
7439-89-6	IRON	2	38000	34		
7439-92-1	LEAD	2	23	1		
7439-96-5	MANGANESE	1	390	1.7		

Data Package ID: IT0405096-2

Date Printed:Tuesday, December 21, 2004

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Total ICP Metals

Method SW6010 Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID:	SOIL-07
Lab ID:	0405096-29

Sample Matrix:SOIL
% Moisture:17.4
Date Collected:07-May-04
Date Extracted:09-Jul-04
Date Analyzed:12-Jul-04
Prep Method:SW3050B

Prep Batch:IP040709-3
QCBatchID:IP040709-3-1
Run ID:IT040712-1A1
Cleanup:NONE
Basis:Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units:mg/kg
Clean DF: 1
File Name:TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	1800	24		
7440-38-2	ARSENIC	1	1.7	1.2		
7439-89-6	IRON	1	7700	12		
7439-92-1	LEAD	1	28	0.36		
7439-96-5	MANGANESE	1	31	1.2		

Data Package ID: IT0405096-2

Date Printed:Tuesday, December 21, 2004

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Total ICP Metals

Method SW6010 Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID: SOIL-08
Lab ID: 0405096-30

Sample Matrix:SOIL
% Moisture:57.9
Date Collected:07-May-04
Date Extracted:09-Jul-04
Date Analyzed:12-Jul-04
Prep Method:SW3050B

Prep Batch:IP040709-3
QCBatchID:IP040709-3-1
Run ID:IT040712-1A1
Cleanup:NONE
Basis:Dry Weight

Sample Aliquot: 1 g
Final Volume: 100ml
Result Units:mg/kg
Clean DF: 1
File Name:TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	9700	48		
7440-38-2	ARSENIC	1	16	2.4		
7439-89-6	IRON	1	26000	24		
7439-92-1	LEAD	1	290	0.71		
7439-96-5	MANGANESE	1	230	2.4		

Data Package ID: IT0405096-2

Date Printed:Tuesday, December 21, 2004

Paragon Analytics

LIMS Version: 5.134A

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Total ICP Metals

Method SW6010 Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID: SOIL-09
Lab ID: 0405096-31

Sample Matrix:SOIL
% Moisture:19.5
Date Collected:07-May-04
Date Extracted:09-Jul-04
Date Analyzed:12-Jul-04
Prep Method:SW3050B

Prep Batch:IP040709-3
QCBatchID:IP040709-3-1
Run ID:IT040712-1A1
Cleanup:NONE
Basis:Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units:mg/kg
Clean DF: 1
File Name:TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	1200	25		
7440-38-2	ARSENIC	1	1.7	1.2		
7439-89-6	IRON	1	6200	12		
7439-92-1	LEAD	1	26	0.37		
7439-96-5	MANGANESE	1	46	1.2		

Data Package ID: IT0405096-2

Date Printed:Tuesday, December 21, 2004

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Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID: SOIL-10
Lab ID: 0405096-32

Sample Matrix:SOIL
% Moisture:32.4
Date Collected:07-May-04
Date Extracted:09-Jul-04
Date Analyzed:12-Jul-04
Prep Method:SW3050B

Prep Batch:IP040709-3
QCBatchID:IP040709-3-1
Run ID:IT040712-1A1
Cleanup:NONE
Basis:Dry Weight

Sample Aliquot: 1g
Final Volume: 100ml
Result Units:mg/kg
Clean DF: 1
File Name:TS40712

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	5600	30		
7440-38-2	ARSENIC	1	8.1	1.5		
7439-89-6	IRON	2	36000	30		
7439-92-1	LEAD	2	110	0.89		
7439-96-5	MANGANESE	1	580	1.5		

Data Package ID: IT0405096-2

Date Printed:Tuesday, December 21, 2004

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Total URANIUM

Method SW6020

Sample Results

Lab Name: Paragon Analytics
Client Name: Kent & Sullivan Inc.
Client Project ID: Ross Adams
Work Order Number: 0405096
Reporting Basis: Dry Weight
Prep Method: SW3050B
Final Volume: 100 ml
Matrix: SOIL
Result Units: ug/kg

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	Flag	Sample Aliquot
MSED-01	0405096-1	05/06/2004	07/09/2004	07/13/2004	30.4	10	1200	14	E	1 g
MSED-02	0405096-2	05/06/2004	07/09/2004	07/13/2004	47.4	100	5400	190		1 g
MSED-03	0405096-3	05/06/2004	07/09/2004	07/14/2004	33.4	10	1600	15		1 g
MSED-04	0405096-4	05/06/2004	07/09/2004	07/13/2004	9.3	100	5400	110		1 g
MSED-05	0405096-5	05/06/2004	07/09/2004	07/13/2004	20.5	100	17000	130		1 g
MSED-07	0405096-7	05/07/2004	07/09/2004	07/14/2004	18.7	1000	290000	1200		1 g
MSED-08	0405096-8	05/07/2004	07/09/2004	07/14/2004	19.9	1000	390000	1200		1 g
MSED-09	0405096-9	05/07/2004	07/09/2004	07/14/2004	66.3	200	210000	590		1 g
MSED-10	0405096-10	05/07/2004	07/09/2004	07/13/2004	4.9	100	74000	110		1 g
SSED-01	0405096-11	05/05/2004	07/09/2004	07/13/2004	12.3	100	2500	110		1 g
SSED-02	0405096-12	05/05/2004	07/09/2004	07/13/2004	10.4	100	3000	110		1 g
SSED-03	0405096-13	05/04/2004	07/09/2004	07/13/2004	25.5	100	3200	130		1 g
SSED-04	0405096-14	05/04/2004	07/09/2004	07/13/2004	9.1	100	2000	110		1 g
SSED-05	0405096-15	05/04/2004	07/09/2004	07/13/2004	7.7	100	14000	110		1 g
SSED-06	0405096-16	05/04/2004	07/09/2004	07/13/2004	16.2	100	3000	120		1 g
SSED-07	0405096-17	05/04/2004	07/09/2004	07/13/2004	26.1	100	11000	140		1 g
SSED-08	0405096-18	05/05/2004	07/09/2004	07/14/2004	5.7	500	180000	530		1 g
SSED-09	0405096-19	05/05/2004	07/09/2004	07/13/2004	5.3	100	24000	110		1 g

Comments:

- ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: IM0405096-2

Date Printed: Tuesday, December 21, 2004

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Total URANIUM

Method SW6020

Sample Results

Lab Name: Paragon Analytics

Client Name: Kent & Sullivan Inc.

Client Project ID: Ross Adams

Work Order Number: 0405096

Final Volume: 100 ml

Reporting Basis: Dry Weight

Matrix: SOIL

Prep Method: SW3050B

Result Units: ug/kg

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	Flag	Sample Aliquot
SSED-10	0405096-20	05/04/2004	07/09/2004	07/13/2004	15.2	100	23000	120		1 g
SOIL-01	0405096-25	05/06/2004	07/09/2004	07/13/2004	67.8	100	210000	310		1 g
SOIL-02	0405096-26	05/06/2004	07/09/2004	07/14/2004	47.6	200	73000	380		1 g
SOIL-04	0405096-27	05/06/2004	07/09/2004	07/14/2004	37	5000	2600000	7900		1 g
SOIL-05	0405096-28	05/06/2004	07/09/2004	07/14/2004	40.4	2000	170000	3400		1 g
SOIL-07	0405096-29	05/07/2004	07/09/2004	07/14/2004	17.4	500	11000	610		1 g
SOIL-08	0405096-30	05/07/2004	07/09/2004	07/14/2004	57.9	2000	1900000	4800		1 g
SOIL-09	0405096-31	05/07/2004	07/09/2004	07/14/2004	19.5	500	9400	620		1 g
SOIL-10	0405096-32	05/07/2004	07/09/2004	07/14/2004	32.4	5000	730000	7400		1 g

Comments:

- ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: IM0405096-2

Date Printed: Tuesday, December 21, 2004

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Total ICPMS Metals

Method SW6020

Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID: MSED-06
Lab ID: 0405096-6

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: 07-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 14-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-2
QCBatchID: IP040709-2-1
Run ID: IM040714-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: ug/kg
Clean DF: 1
File Name: 14JUL04A

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-61-1	URANIUM	10	780	10		

Data Package ID: IM0405096-1

Date Printed: Tuesday, December 21, 2004

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Total ICPMS Metals

Method SW6020

Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID: GEN-02
Lab ID: 0405096-22

Sample Matrix: SOIL
% Moisture: 3.1
Date Collected: 07-May-04
Date Extracted: 09-Jul-04
Date Analyzed: 14-Jul-04
Prep Method: SW3050B

Prep Batch: IP040709-3
QCBatchID: IP040709-3-1
Run ID: IM040714-1A1
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 100 ml
Result Units: ug/kg
Clean DF: 1
File Name: 14JUL04A

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-61-1	URANIUM	200	22000	210		

Data Package ID: IM0405096-1

Date Printed: Wednesday, December 22, 2004

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Summary Report Forms

ICP Metals

Method SW6010

Method Blank

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: IP040709-2MB

Sample Matrix: SOIL

% Moisture: N/A

Date Collected: N/A

Date Extracted: 07/09/2004

Date Analyzed: 07/12/2004

Prep Batch: IP040709-2

QCBatchID: IP040709-2-1

Run ID: IT040712-1A1

Cleanup: NONE

Basis: N/A

Sample Aliquot: 1 g

Final Volume: 100 ml

Result Units: mg/kg

Clean DF: 1

File Name: TS40712

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	20	20	U	
7440-38-2	ARSENIC	1	1	1	U	
7439-89-6	IRON	1	10	10	U	
7439-92-1	LEAD	1	0.3	0.3	U	
7439-96-5	MANGANESE	1	1	1	U	

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Method Blank

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: IP040709-3MB

Sample Matrix: SOIL

% Moisture: N/A

Date Collected: N/A

Date Extracted: 07/09/2004

Date Analyzed: 07/12/2004

Prep Batch: IP040709-3

QCBatchID: IP040709-3-1

Run ID: IT040712-1A1

Cleanup: NONE

Basis: N/A

Sample Aliquot: 1 g

Final Volume: 100 ml

Result Units: mg/kg

Clean DF: 1

File Name: TS40712

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	20	20	U	
7440-38-2	ARSENIC	1	1	1	U	
7439-89-6	IRON	1	10	10	U	
7439-92-1	LEAD	1	0.3	0.3	U	
7439-96-5	MANGANESE	1	1	1	U	

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Laboratory Control Sample

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: IP040709-2LCS

Sample Matrix: SOIL

% Moisture: N/A

Date Collected: N/A

Date Extracted: 07/09/2004

Date Analyzed: 07/12/2004

Prep Batch: IP040709-2

QCBatchID: IP040709-2-1

Run ID: IT040712-1A1

Cleanup: NONE

Basis: N/A

Sample Aliquot: 1 g

Final Volume: 100 ml

Result Units: mg/kg

Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7429-90-5	ALUMINUM	540	519	20		96	80 - 120%
7440-38-2	ARSENIC	54	52.3	1		97	80 - 120%
7439-89-6	IRON	500	487	10		97	80 - 120%
7439-92-1	LEAD	60	60.1	0.3		100	80 - 120%
7439-96-5	MANGANESE	50	49.9	1		100	80 - 120%

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Laboratory Control Sample

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: IP040709-3LCS

Sample Matrix: SOIL

% Moisture: N/A

Date Collected: N/A

Date Extracted: 07/09/2004

Date Analyzed: 07/12/2004

Prep Batch: IP040709-3

QCBatchID: IP040709-3-1

Run ID: IT040712-1A1

Cleanup: NONE

Basis: N/A

Sample Aliquot: 1 g

Final Volume: 100 ml

Result Units: mg/kg

Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7429-90-5	ALUMINUM	540	527	20		98	80 - 120%
7440-38-2	ARSENIC	54	53.6	1		99	80 - 120%
7439-89-6	IRON	500	491	10		98	80 - 120%
7439-92-1	LEAD	60	61	0.3		102	80 - 120%
7439-96-5	MANGANESE	50	50.2	1		100	80 - 120%

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID: MSED-01 LabID: 0405096-1MS	Sample Matrix: SOIL % Moisture: N/A Date Collected: 06-May-04 Date Extracted: 09-Jul-04 Date Analyzed: 12-Jul-04 Prep Method: SW3050B	Prep Batch: IP040709-2 QCBatchID: IP040709-2-1 Run ID: IT040712-1A1 Cleanup: NONE Basis: Dry Weight	Sample Aliquot: 1 g Final Volume: 100 ml Result Units: mg/kg
---	--	--	---

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
7429-90-5	ALUMINUM	4900		6140		20	540	222	80 - 120%
7440-38-2	ARSENIC	2.7		53		1	54	93	80 - 120%
7439-89-6	IRON	9900		11400		10	500	300	80 - 120%
7439-92-1	LEAD	1.5	U	59.4		1.5	60	99	80 - 120%
7439-96-5	MANGANESE	300		331		1	50	69	80 - 120%

MSD Lab ID: 0405096-1MSD

Sample Aliquot: 1 g
Final Volume: 100 ml

CASNO	Target Analyte	Spike Added	MSD Result	MSD Qual	Reporting Limit	MSD % Rec.	RPD	RPD Limits
7429-90-5	ALUMINUM	540	5320		20	72	14	20
7440-38-2	ARSENIC	54	52.2		1	92	1	20
7439-89-6	IRON	500	9620		10	-54	17	20
7439-92-1	LEAD	60	58.7		1.5	98	1	20
7439-96-5	MANGANESE	50	319		1	45	4	20

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID: GEN-01 LabID: 0405096-21MS	Sample Matrix: SOIL % Moisture: 12.1 Date Collected: 07-May-04 Date Extracted: 09-Jul-04 Date Analyzed: 12-Jul-04 Prep Method: SW3050B	Prep Batch: IP040709-3 QCBatchID: IP040709-3-1 Run ID: IT040712-1A1 Cleanup: NONE Basis: Dry Weight	Sample Aliquot: 1 g Final Volume: 100 ml Result Units: mg/kg
---	---	--	---

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
7429-90-5	ALUMINUM	9200		9300		22.8	614	16	80 - 120%
7440-38-2	ARSENIC	3.4		63.4		1.14	61.4	98	80 - 120%
7439-89-6	IRON	42000		39600		22.8	569	454	80 - 120%
7439-92-1	LEAD	41		105		0.683	68.3	93	80 - 120%
7439-96-5	MANGANESE	410		449		1.14	56.9	61	80 - 120%

MSD Lab ID: 0405096-21MSD

Sample Aliquot: 1 g Final Volume: 100 ml

CASNO	Target Analyte	Spike Added	MSD Result	MSD Qual	Reporting Limit	MSD % Rec.	RPD	RPD Limits
7429-90-5	ALUMINUM	614	9990		22.8	130	7	20
7440-38-2	ARSENIC	61.4	63.4		1.14	98	0	20
7439-89-6	IRON	569	43800		22.8	290	10	20
7439-92-1	LEAD	68.3	110		0.683	100	5	20
7439-96-5	MANGANESE	56.9	477		1.14	109	6	20

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Duplicate Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID: MSED-01
Lab ID: 0405096-1D

Sample Matrix: SOIL

% Moisture: N/A

Date Collected: 05/06/2004

Date Extracted: 07/09/2004

Date Analyzed: 07/12/2004

Prep Batch: IP040709-2

QCBatchID: IP040709-2-1

Run ID: IT040712-1A1

Cleanup: NONE

Basis: As Received

Sample Aliquot: 1 g

Final Volume: 100 ml

Result Units: mg/kg

Clean DF: 1

File Name: TS40712

CASNO	Target Analyte	Sample Result	Samp Qual	Duplicate Result	Dup Qual	Reporting Limit	Dilution Factor	RPD	RPD Limit
7429-90-5	ALUMINUM	4900		4850		20	1	2	20
7440-38-2	ARSENIC	2.7		2.52		1	1		20
7439-89-6	IRON	9900		9800		10	1	1	20
7439-92-1	LEAD	1.5	U	1.5	U	1.5	5		20
7439-96-5	MANGANESE	300		279		1	1	6	20

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Duplicate Sample Results

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID:	GEN-01
Lab ID:	0405096-21D

Sample Matrix: SOIL

% Moisture: 12.1

Prep Batch: IP040709-3

QCBatchID: IP040709-3-1

Sample Aliquot: 1 g

Final Volume: 100 ml

Date Collected: 05/07/2004

Run ID: IT040712-1A1

Result Units: mg/kg

Date Extracted: 07/09/2004

Cleanup: NONE

Clean DF: 1

Date Analyzed: 07/12/2004

Basis: Dry Weight

File Name: TS40712

CASNO	Target Analyte	Sample Result	Samp Qual	Duplicate Result	Dup Qual	Reporting Limit	Dilution Factor	RPD	RPD Limit
7429-90-5	ALUMINUM	9200		11000		22.8	1	18	20
7440-38-2	ARSENIC	3.4		3.69		1.14	1		20
7439-89-6	IRON	42000		40600		22.8	2	4	20
7439-92-1	LEAD	41		33.4	*	0.683	2	21	20
7439-96-5	MANGANESE	410		392		1.14	1	6	20

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

Paragon Analytics

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ICP Metals

Method SW6010 Serial Dilution

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID:	MSED-01
Lab ID:	0405096-1L

Run ID: IT040712-1A1
Date Analyzed: 12-Jul-04
Result Units: mg/l

CASNO	Target Analyte	Sample Result	Samp Qual	SD Result	SD Qual	EPA Qualifier	%D
7429-90-5	ALUMINUM	49.34653		52.23465			6
7440-38-2	ARSENIC	0.02735		0.05	U		
7439-89-6	IRON	98.94874		102.1472			3
7439-92-1	LEAD	0.002999999933	U	0.015	U		
7439-96-5	MANGANESE	2.96013		3.24025			9

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

Paragon Analytics

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ICP Metals

Method SW6010 Serial Dilution

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Field ID: GEN-01
Lab ID: 0405096-21L

Run ID: IT040712-1A1
Date Analyzed: 12-Jul-04
Result Units: mg/l

CASNO	Target Analyte	Sample Result	Samp Qual	SD Result	SD Qual	EPA Qualifier	%D
7429-90-5	ALUMINUM	80.83963		81.69144			1
7440-38-2	ARSENIC	0.0301		0.05	U		
7439-89-6	IRON	185.3962		171.3414			8
7439-92-1	LEAD	0.18056		0.1794			1
7439-96-5	MANGANESE	3.64435		3.77635			4

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: ICV

QC Type: Initial Calibration

Run ID: IT040712-1A1

Date Analyzed: 07/12/2004

Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	25.2	24.9	0.2		99	90 - 110%
7440-38-2	ARSENIC	0.25	0.253	0.01		101	90 - 110%
7439-89-6	IRON	10.2	10.2	0.1		99	90 - 110%
7439-92-1	LEAD	0.25	0.251	0.003		100	90 - 110%
7439-96-5	MANGANESE	0.25	0.247	0.01		99	90 - 110%

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

Client Project ID: Ross Adams

Lab ID: CCV1

QC Type: Continuing Calibration

Run ID: IT040712-1A1

Date Analyzed: 07/12/2004

Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	50.5	0.2		100	90 - 110%
7440-38-2	ARSENIC	0.5	0.502	0.01		100	90 - 110%
7439-89-6	IRON	20.5	20.8	0.1		102	90 - 110%
7439-92-1	LEAD	0.5	0.498	0.003		100	90 - 110%
7439-96-5	MANGANESE	0.5	0.493	0.01		99	90 - 110%

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCV2

QC Type: Continuing Calibration

Run ID: IT040712-1A1

Date Analyzed: 07/12/2004

Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	49.8	0.2		99	90 - 110%
7440-38-2	ARSENIC	0.5	0.503	0.01		101	90 - 110%
7439-89-6	IRON	20.5	20.7	0.1		101	90 - 110%
7439-92-1	LEAD	0.5	0.495	0.003		99	90 - 110%
7439-96-5	MANGANESE	0.5	0.488	0.01		98	90 - 110%

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCV3

QC Type: Continuing Calibration

Run ID: IT040712-1A1

Date Analyzed: 07/12/2004

Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	50	0.2		99	90 - 110%
7440-38-2	ARSENIC	0.5	0.499	0.01		100	90 - 110%
7439-89-6	IRON	20.5	20.7	0.1		101	90 - 110%
7439-92-1	LEAD	0.5	0.495	0.003		99	90 - 110%
7439-96-5	MANGANESE	0.5	0.488	0.01		98	90 - 110%

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCV4

Run ID: IT040712-1A1

QC Type: Continuing Calibration

Date Analyzed: 07/12/2004

Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	49.8	0.2		99	90 - 110%
7440-38-2	ARSENIC	0.5	0.502	0.01		101	90 - 110%
7439-89-6	IRON	20.5	20.6	0.1		101	90 - 110%
7439-92-1	LEAD	0.5	0.492	0.003		98	90 - 110%
7439-96-5	MANGANESE	0.5	0.486	0.01		97	90 - 110%

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

Client Project ID: Ross Adams

Lab ID: CCV5

Run ID: IT040712-1A1

QC Type: Continuing Calibration

Date Analyzed: 07/12/2004

Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	50.1	0.2		99	90 - 110%
7440-38-2	ARSENIC	0.5	0.498	0.01		100	90 - 110%
7439-89-6	IRON	20.5	20.7	0.1		101	90 - 110%
7439-92-1	LEAD	0.5	0.497	0.003		99	90 - 110%
7439-96-5	MANGANESE	0.5	0.489	0.01		98	90 - 110%

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

Client Project ID: Ross Adams

Lab ID: CCV6
QC Type: Continuing Calibration

Run ID: IT040712-1A1

Date Analyzed: 07/12/2004

Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	50.3	0.2		100	90 - 110%
7440-38-2	ARSENIC	0.5	0.506	0.01		101	90 - 110%
7439-89-6	IRON	20.5	21	0.1		102	90 - 110%
7439-92-1	LEAD	0.5	0.499	0.003		100	90 - 110%
7439-96-5	MANGANESE	0.5	0.492	0.01		99	90 - 110%

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCV7
QC Type: Continuing Calibration

Run ID: IT040712-1A1

Date Analyzed: 07/12/2004

Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	49.8	0.2		99	90 - 110%
7440-38-2	ARSENIC	0.5	0.504	0.01		101	90 - 110%
7439-89-6	IRON	20.5	20.7	0.1		101	90 - 110%
7439-92-1	LEAD	0.5	0.498	0.003		100	90 - 110%
7439-96-5	MANGANESE	0.5	0.489	0.01		98	90 - 110%

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCV8
QC Type: Continuing Calibration

Run ID: IT040712-1A1

Date Analyzed: 07/12/2004

Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	50.2	0.2		99	90 - 110%
7440-38-2	ARSENIC	0.5	0.507	0.01		101	90 - 110%
7439-89-6	IRON	20.5	20.8	0.1		102	90 - 110%
7439-92-1	LEAD	0.5	0.5	0.003		100	90 - 110%
7439-96-5	MANGANESE	0.5	0.49	0.01		98	90 - 110%

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCV9
QC Type: Continuing Calibration

Run ID: IT040712-1A1

Date Analyzed: 07/12/2004

Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	49.9	0.2		99	90 - 110%
7440-38-2	ARSENIC	0.5	0.509	0.01		102	90 - 110%
7439-89-6	IRON	20.5	20.7	0.1		101	90 - 110%
7439-92-1	LEAD	0.5	0.498	0.003		100	90 - 110%
7439-96-5	MANGANESE	0.5	0.489	0.01		98	90 - 110%

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCV10
QC Type: Continuing Calibration

Run ID: IT040712-1A1

Date Analyzed: 07/12/2004

Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7429-90-5	ALUMINUM	50.5	50.1	0.2		99	90 - 110%
7440-38-2	ARSENIC	0.5	0.499	0.01		100	90 - 110%
7439-89-6	IRON	20.5	20.7	0.1		101	90 - 110%
7439-92-1	LEAD	0.5	0.497	0.003		99	90 - 110%
7439-96-5	MANGANESE	0.5	0.487	0.01		97	90 - 110%

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: ICV
QC Type: Initial Calibration

Run ID: IT040713-1A1

Date Analyzed: 07/13/2004

Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7439-89-6	IRON	10.2	10.2	0.1		99	90 - 110%
7439-92-1	LEAD	0.25	0.249	0.003		100	90 - 110%

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

Client Project ID: Ross Adams

Lab ID: CCV1

QC Type: Continuing Calibration

Run ID: IT040713-1A1

Date Analyzed: 07/13/2004

Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7439-89-6	IRON	20.5	20.8	0.1		102	90 - 110%
7439-92-1	LEAD	0.5	0.499	0.003		100	90 - 110%

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals
Method SW6010
Calibration Verifications

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCV2

QC Type: Continuing Calibration

Run ID: IT040713-1A1

Date Analyzed: 07/13/2004

Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7439-89-6	IRON	20.5	20.9	0.1		102	90 - 110%
7439-92-1	LEAD	0.5	0.505	0.003		101	90 - 110%

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCV3
QC Type: Continuing Calibration

Run ID: IT040713-1A1

Date Analyzed: 07/13/2004

Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7439-89-6	IRON	20.5	21	0.1		102	90 - 110%
7439-92-1	LEAD	0.5	0.506	0.003		101	90 - 110%

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCV4

QC Type: Continuing Calibration

Run ID: IT040713-1A1

Date Analyzed: 07/13/2004

Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7439-89-6	IRON	20.5	20.9	0.1		102	90 - 110%
7439-92-1	LEAD	0.5	0.504	0.003		101	90 - 110%

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCV5
QC Type: Continuing Calibration

Run ID: IT040713-1A1
Date Analyzed: 07/13/2004
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7439-89-6	IRON	20.5	21.1	0.1		103	90 - 110%
7439-92-1	LEAD	0.5	0.509	0.003		102	90 - 110%

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: ICB

QC Type: Initial Calibration

Run ID: IT040712-1A1

Date Analyzed: 07/12/2004

Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010 Calibration Blanks

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCB1

QC Type: Initial Calibration

Run ID: IT040712-1A1

Date Analyzed: 07/12/2004

Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCB2
QC Type: Initial Calibration

Run ID: IT040712-1A1

Date Analyzed: 07/12/2004

Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCB3
QC Type: Initial Calibration

Run ID: IT040712-1A1
Date Analyzed: 07/12/2004
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCB4
QC Type: Initial Calibration

Run ID: IT040712-1A1

Date Analyzed: 07/12/2004

Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CC85

QC Type: Initial Calibration

Run ID: IT040712-1A1

Date Analyzed: 07/12/2004

Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010 Calibration Blanks

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCB6

QC Type: Initial Calibration

Run ID: IT040712-1A1

Date Analyzed: 07/12/2004

Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

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ICP Metals

Method SW6010 Calibration Blanks

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCB7

QC Type: Initial Calibration

Run ID: IT040712-1A1

Date Analyzed: 07/12/2004

Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCB8
QC Type: Initial Calibration

Run ID: IT040712-1A1

Date Analyzed: 07/12/2004

Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010 Calibration Blanks

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCB9

QC Type: Initial Calibration

Run ID: IT040712-1A1

Date Analyzed: 07/12/2004

Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCB10

QC Type: Initial Calibration

Run ID: IT040712-1A1

Date Analyzed: 07/12/2004

Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7429-90-5	ALUMINUM	0.2	0.2	U
7440-38-2	ARSENIC	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U
7439-96-5	MANGANESE	0.01	0.01	U

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010 Calibration Blanks

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: ICB

QC Type: Initial Calibration

Run ID: IT040713-1A1

Date Analyzed: 07/13/2004

Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010 Calibration Blanks

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCB1

QC Type: Initial Calibration

Run ID: IT040713-1A1

Date Analyzed: 07/13/2004

Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010 Calibration Blanks

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCB2

QC Type: Initial Calibration

Run ID: IT040713-1A1

Date Analyzed: 07/13/2004

Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCB3
QC Type: Initial Calibration

Run ID: IT040713-1A1

Date Analyzed: 07/13/2004

Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010 Calibration Blanks

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCB4

QC Type: Initial Calibration

Run ID: IT040713-1A1

Date Analyzed: 07/13/2004

Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010 Calibration Blanks

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Lab ID: CCB5

QC Type: Initial Calibration

Run ID: IT040713-1A1

Date Analyzed: 07/13/2004

Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7439-89-6	IRON	0.1	0.1	U
7439-92-1	LEAD	0.003	0.003	U

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Run ID: IT040712-1A1

Date Analyzed: 07/12/2004

Result Units: mg/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7429-90-5	ALUMINUM	500	500	482	485	97
7440-38-2	ARSENIC		0.1		0.09570	96
7439-89-6	IRON	200	200	202	200	100
7439-92-1	LEAD		0.05		0.04960	99
7439-96-5	MANGANESE		0.5		0.46500	93

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Run ID: IT040712-1A1

Date Analyzed: 07/12/2004

Result Units: mg/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA2	ICSAB2	ICSA2	ICSAB2	
7429-90-5	ALUMINUM	500	500	484	481	96
7440-38-2	ARSENIC		0.1		0.0993	99
7439-89-6	IRON	200	200	204	203	101
7439-92-1	LEAD		0.05		0.04740	95
7439-96-5	MANGANESE		0.5		0.468	94

Data Package ID: IT0405096-1

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ICP Metals
Method SW6010
ICP Interference Check Sample

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Run ID: IT040712-1A1

Date Analyzed: 07/12/2004

Result Units: mg/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA3	ICSAB3	ICSA3	ICSAB3	
7429-90-5	ALUMINUM	500	500	480	484	97
7440-38-2	ARSENIC		0.1		0.0945	95
7439-89-6	IRON	200	200	200	202	101
7439-92-1	LEAD		0.05		0.04600	92
7439-96-5	MANGANESE		0.5		0.46500	93

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals
Method SW6010
ICP Interference Check Sample

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Run ID: IT040713-1A1

Date Analyzed: 07/13/2004

Result Units: mg/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7439-89-6	IRON	200	200	206	207	104
7439-92-1	LEAD		0.05		0.0492	98

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Metals
Method SW6010
ICP Interference Check Sample

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Run ID: IT040713-1A1

Date Analyzed: 07/13/2004

Result Units: mg/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA2	ICSAB2	ICSA2	ICSAB2	
7439-89-6	IRON	200	200	208	209	105
7439-92-1	LEAD		0.05		0.0481	96

Data Package ID: IT0405096-1

Date Printed: Friday, July 23, 2004

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ICP Interelement Correction Factors

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Instrument ID: ICPTrace

Active Date: 4/10/2004

Expiration Date: 4/10/2005

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Analyte	Lambda (nm)	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni
ALUMINUM												-0.0058				-0.0013
ARSENIC												-0.00387				
IRON												0.0723				
LEAD	0.000414							-0.000013				-0.002		0.000093		0.000243
MANGANESE																

000101

Date Printed: Friday, July 23, 2004

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ICP Interelement Correction Factors

Lab Name: Paragon Analytics

Work Order Number: 0405096

Client Name: Kent & Sullivan Inc.

ClientProject ID: Ross Adams

Instrument ID: ICPTrace

Active Date: 4/10/2004

Expiration Date: 4/10/2005

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Analyte	Lamda (nm)	K	Se	Ag	Na	Tl	V	Zn	Sn	Ti	Mo	Li	Sr	B	Si	U
ALUMINUM								0.0211								
ARSENIC																
IRON								0.015								
LEAD																
MANGANESE																

000102

Date Printed: Friday, July 23, 2004

Paragon Analytics
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